Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/18/2019 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125708	0	2.84	125772	2.83
Blue	F	SSC	125000	123898	-1	4.82	124752	4.84
Blue	E	FITC	16694	16503	-2	4.53	384	22.90
Blue	D	PE	32792	32222	-2	3.87	710	17.33
Blue	B	PerCP-Cy5-5	44451	44701	0	5.49	1223	24.44
Blue	A	PE-Cy7	33645	34884	3	7.61	631	50.46
Red	C	APC	47008	46871	-1	3.36	1808	13.96
Red	A	APC-Cy7	32298	31803	-2	3.28	795	14.62
Violet	B	V450	8961	8648	-4	5.04	481	15.35
Violet	A	V500	32726	31376	-5	4.81	754	11.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21033	5.69	615	2	N/A	N/A	Pass
Blue	F	SSC	56331	4.34	588	20	N/A	N/A	Pass
Blue	E	FITC	62	77.66	572	9	0.0145	173	Pass
Blue	D	PE	142	60.23	576	10	0.1184	295	Pass
Blue	B	PerCP-Cy5-5	223	59.89	683	12	0.0066	64	Pass
Blue	A	PE-Cy7	121	128.37	740	14	0.0081	29	Pass
Red	C	APC	411	29.12	617	4	0.0173	65	Pass
Red	A	APC-Cy7	195	32.43	588	3	0.0042	866	Pass
Violet	B	V450	72	70.34	486	0	0.0361	1947	Pass
Violet	A	V500	108	37.79	495	-1	0.0170	642	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.59	-31.96	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.66	13.60 - 20.40	N/A	N/A	28.74	29.44	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10645

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments